

Product datasheet for MC211287

Sapcd2 (NM_001081085) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sapcd2 (NM_001081085) Mouse Untagged Clone
Tag: Tag Free
Symbol: Sapcd2
Synonyms: 2010317E24Rik; 6030458L21Rik; AL033337; ang
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211287 representing NM_001081085
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGGCCGTGGCAGCGATGGCCGAGCGTGGCCGCCTATCGCACGCTGCGCCGCTCCTAGTACAGAGGGGC
 TACCGCGAGCCTTCTCCAGAGCCTGCGCACCTCTTCGACATCTGGACGACCGCAACGCGGTACGT
 GCACCTGCGGGAGATCGAGTCCCGCTGGCAAGTGCAGACGCACGCGAGCTGCCGTGCGGCGTGTCTGAG
 GGCTGCGCCAGGTGGCCCCGGCCAATGGCTACCTGACCTTCGAGCGTTTCGTAGCGGGCTTGGCGACCT
 CGCTGCTGAAAGCCGACGGCGGCCAGCGGGATCAGGCACGCGTGCAGGCCCCGGCCTGGGACCACTCGTC
 CCTGCAGCAGCGCCTGATGTTCCGACCGGCCGATGAGCCGCGGACTGTCTGGAGAGAAAGCCTCTGCCT
 CTGAGTGCCTGCCCTGCTTCTGGTGGCCCCAGTGGCACCTCCCGAACCCTGAGCTGTTATGTGTCCCGG
 TGGAGGCGGCTCCTGCCACAGAGACCGAGCGGCCCTGAGCAAGGCGCTGGAGCAAATCCCAAGCGC
 GGATTTGGGCTCTTCTCAGTGTGACACCCTGCAGAGACAACCCGGCCTGCTTCTCACCAGGAGGCAGA
 GGAGGCAGCACAGGAGCACCTAGCACAAAGTGTGAAGAAGTGCAGCAGCCTGTAAGACCCTGGCAAGG
 GCACAGGTGAAGCCCGCAGGCTCCACGGGCCGAGGCGAGCGTGAAGGCATACCATACCAATGGTGT
 GGACTGCAGCCTGTTGAAGCAGATGAAGGAGTTAGACCAGGAACAGGAGGTGCTTCTGCAGGGCCTGGAG
 ATGATGGCACGGGCCGAGACTGGTACCAGCAGCAGCTGCAGCGTGTGCAGGAACGTGAGCGCCGCTGA
 GCCAGAGCAGAGCTGCTGCAGACTTTGGGGCTGAAGGAAGCCCCGCCCTCTGGGAGGTTGCTGCCAA
 AGTACAGGAGGTGGCCCGTGCCTGGGGAGCTGTTGACTGCAGCCTGCTTGGCAGAGCTCTGCCTTCG
 TCCTCTTTAGGGCCCCTGGGCCCTCCCTCACCTCAACTCCAGTCTGGCAGCAACAGACCATCCTCATGC
 TGAAAGAACAGAACCGGCTTCTCACTCAGGAGGTGACTGATAAGAGTGAAGCGCATCACGAGCTGGAGCA
 GGAGAAGTCTGCACTCATCAAGCAGCTGTTGAGGCCCGAGCGCTCAGCCAGCAGGATTCGGGACCTCTG
 GACTCCACTTTCATC**TAG**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTAA



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Restriction Sites:	Sgfl-RsrII
ACCN:	NM_001081085
Insert Size:	1278 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001081085.2, NP_001074554.1</u>
RefSeq Size:	3407 bp
RefSeq ORF:	1278 bp
Locus ID:	72080
UniProt ID:	<u>Q9D818</u>
Cytogenetics:	2 A3
Gene Summary:	<p>Plays a role in planar mitotic spindle orientation in retinal progenitor cells (RPCs) and promotes the production of symmetric terminal divisions (PubMed:26766442). Negatively regulates the mitotic apical cortex localization of GPSM2 (By similarity). Involved also in positive regulation of cell proliferation and tumor cell growth (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>